

16-01-2023

I-MBBS (Part-I)**1111 A1 + 1111 A2**

(This question paper consists of 2 pages)

First M.B.B.S. (New Scheme) (Main) Examination**January - 2023****Human Anatomy****Paper- I****Time: Three Hours****Maximum Marks: 100**

Attempt all questions in both sections.

Section-A**1. Fill in the blanks:****6x1=06**

- a) Klumpke's paralysis occurs due to injury to _____ trunk of brachial plexus.
- b) Torticollis is the deformity of the neck in which the head is bent to one side and chin faces towards the opposite side, due to spasm of _____ muscles.
- c) The inferior root of ansa cervicalis is formed by fibres of ventral rami of _____ and _____ nerves.
- d) The lesion of _____ nerve leads to loss of taste sensation in the anterior 2/3 of the tongue.
- e) _____ is the area on the medial surface of cerebral hemisphere around central sulcus and acts as centre of defecation and intuition.
- f) The pineal gland and posterior commissure form the posterior wall of _____ ventricle.

2. Answer the following MCQ:**4 x 1 = 04**

- i) The shoulder adducted and medially rotated, elbow extended and forearm pronated is a feature of:
- a) Saturday night palsy

- b) Erb-Duchenne paralysis
- c) Wrist drop
- d) Axillary nerve damage

ii) Effect of spread of infection from middle ear may give rise to the following clinical condition except:

- a) Acute mastoiditis
- b) Meningitis
- c) Labyrinthitis
- d) Cerebral abscess

iii) Winging of scapula is due to injury of:

- a) Ulnar nerve
- b) Radial nerve
- c) Nerve to serratus anterior
- d) Median nerve

iv) In medial medullary syndrome, the contralateral loss of position and vibration sense is due to injury to:

- a) Eighth cranial nerve
- b) Damage to medial lemniscus
- c) Damage to abducent nerve
- d) Damage to spinal tract and nucleus of fifth cranial nerve

3. A 30-year-old male patient underwent right partial parotidectomy surgery. After one week, he came to OPD and complained of sweating on the right cheek after eating. 3x5=15

Explain:

- a) The anatomical basis of sweating while eating in this patient.
- b) Discuss the nerve supply of parotid gland.
- c) Discuss the relations and structures within the parotid gland.

4. Write briefly on (Any Five):

5x2=10

- a) Primary cartilaginous joint
- b) Thyroglossal cyst
- c) Circle of Willis
- d) Cleft palate
- e) Muscles of mastication
- f) Cavernous sinus

5. Explain briefly (Any Three):

3x5=15

- a) Correlation of nerve supply of tongue and its development
- b) Carpal tunnel syndrome
- c) Superficial relations of hyoglossus muscle
- d) Lymphatic drainage of mammary gland

Section-B

6. Discuss thyroid gland under the following headings:

4x5=20

- a) Gross anatomy
- b) Relations
- c) Blood supply
- d) Applied anatomy

7. Write short notes on (Any Five):**5x2=10**

- a) Supinators of forearm with nerve supply
- b) Derivatives of first pharyngeal arch
- c) Functional columns of IXth cranial nerve
- d) Relations of shoulder joint
- e) Safety muscles of larynx
- f) Turner's syndrome

8. Explain briefly (Any Four):**4x5=20**

- a) Cubital fossa
- b) Floor of IVth ventricle
- c) Fertilization
- d) Microanatomy of cerebellum
- e) Extraocular muscles
